ABSTRACT OF THE DISCLOSURE

MPEG2-TS (transport streams) are inputted from a digital broadcast receiving unit. At a storage processing unit, a program configuration is analyzed, and desired record data is formed. Then, the inputted transport streams are sequentially stored in an MPEG2-TS recording area of a storage medium. At the storage processing unit, an access unit to be targeted for special reproduction is analyzed based on the MPEG2-TS, and auxiliary information containing the recording position information is generated. The generated information is recorded in an auxiliary information recording area of the storage medium. During special reproduction, at the reproduction processing unit, the access unit determined based on auxiliary information is read out from the storage medium, and the reproduction time information is provided. A reproduction transport stream is configured, and is outputted to a digital broadcast receiving unit. Further, special reproduction is carried out at a predetermined timing.